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Québec

K1A 0S5

Bid Fax: (819) 997-9776

**SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise
indicated, all other terms and conditions of the Solicitation
remain the same.

Ce document est par la présente révisé; sauf indication contraire,
les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address

Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Electronics, Simulators and Defence Systems Div.
/Division des systèmes électroniques et des systèmes de
simulation et de défense
11 Laurier St. / 11, rue Laurier
8C2, Place du Portage
Gatineau
Québec
K1A 0S5

Title - Sujet Remote Minehunting and Disposal Sys Système de détection et d'élimination des mines sous-marines	
Solicitation No. - N° de l'invitation W8472-105270/C	Amendment No. - N° modif. 004
Client Reference No. - N° de référence du client W8472-105270	Date 2021-11-01
GETS Reference No. - N° de référence de SEAG PW-\$\$QF-125-28275	
File No. - N° de dossier 125qf.W8472-105270	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Standard Time EST on - le 2021-11-10 Heure Normale du l'Est HNE	
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Lacoursiere, Paul	Buyer Id - Id de l'acheteur 125qf
Telephone No. - N° de téléphone (343) 551-1529 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

This Request for Proposal (RFP) Amendment # 004 for the Remote Minehunting and Disposal System (RMDS) is raised to provide answers to Industry questions.

1. Please see the below questions with responses:

Question 35,

In Volume 2, Annex A, paragraph 6.2.3.2, Canada is requested to clarify their expectations for the contents of the draft ILS documentation package provided in advance of the ILS Conference. To fulfill this requirement, please confirm that the Contractor may deliver templates that illustrate the proposed format and content of each deliverable for Canada to review as part of the ILS Conference Documentation Package.

Response 35,

Canada requires a substantial draft document package based on previous industry ILS experience with the systems, the CDR validated design and processes/procedures aligned with DND standards in advance of the ILS conference. The ILS Conference will facilitate refinement of the documentation and identification of any issues and/or risks that need to be tracked and resolved.

Question 36,

Volume 1, paragraph 6.2 - Bidder Instructions and Requirements, contains the heading 'Financial Capability' but without any text below it. Please confirm if Canada intended to include SACC Manual clause A9033T (2012-07-16), Financial Capability, in this section?

Response 36,

Financial Capability requirement will be determined upon receipt of Bids and by who could be awarded a contract. Manual clause A9033T (2012-07-16), Financial Capability will be used if and when required.

Question 37,

Volume 2, Annex A, Appendix 1, paragraph 4.1 specifies a range of sea states for operation and survival of the RMDS equipment. In order to properly specify the requirements for enclosures, restraints, braces etc., industry will need to convert these Sea States into loading factors, which depend in turn on attitude and acceleration in different directions. This requires detailed knowledge of the Kingston class ships not provided. Would Canada provide the required information on ship's attitude and motion as a function of sea state and direction?

Response 37,

The requested information can be provided to the winning bidder following contract award.

Question 38,

Volume 2, Annex A, Appendix 1, paragraphs 3.2.3.9 through 3.2.3.12 specify the resolution of the AUV system(s) using the phrases “sonar resolution” and “on-screen pixel size.” Resolutions are specified in units of cm. Canada is requested to confirm that these requirements are meant to address two separate but related ideas:

- (a) The sonars must be able to physically resolve objects at this scale. This implies a certain effective sonar beam width and pulse resolution; and
- (b) The operator workstation must provide screens and display software that allow the operator to examine the sonar data at this scale. This implies a certain effective screen resolution for the displays.

Response 38,

The specified sonar resolutions are for the objects imaged and are not intended to infer a specific workstation screen resolution. Software features such as thumbnails or zooming in on possible contacts are acceptable provided the overall RMDS Human Machine Interface and screen resolution allows the operator to achieve the RMDS mission objectives.

Question 39,

What is the doctrine of the RCN regarding the acceptance and entry into service of equipment that has been subjected to successful physical shock testing?

Response 39,

Canada can accept into service RMDS equipment, excluding the MDV-C, which has undergone successful physical shock testing. The RMDS system and equipment will need to meet all acceptance and inspection criteria following the testing. Please refer to D-03-003-007-SG-000 paragraph 2.07, Disposition of equipment that has been subjected to shock test.

Question 40,

D-03-003-007-SG-000 Design and Test Criteria for Shock Resistant Equipment indicates in paragraph 6.06, that in the case of equipment weighing more than 2720 Kg, qualification might only be performed by design only, with calculations submitted to DND before manufacture.

Does Canada intend bidders to perform calculation qualifications only on the large equipment, instead of shock testing? Please clarify which equipment is expected to be physically shock tested and which could be qualified through design and simulation only.

Response 40,

Canada will accept large units being dealt with by design as indicated in D-03-003-007-SG-000 using a validated theoretical model with the calculations, validations and verifications submitted to DND prior to manufacture. SRD paragraph 4.1.2 is intended to allow TCC design features such as shock mounts to mitigate shock levels at the equipment. The calculations must demonstrate that the integrated equipment does not exceed their qualified shock levels or else the integrated equipment must be retested to the expected environment.

Question 41,

Could Canada clarify the extent of the simulation / calculation? Should the simulations be on isolated items of equipment like the container, each item of equipment within the container; or should the simulations be performed on the entire set of equipment, from the shock transmitted to the ship hull, to the container, and finally to the equipment inside the container.

Response 41,

Canada expects the simulations to include the RMDS container and the integrated equipment using the levels specified in D-03-003-007-SG-000 for its mounting location and weight.

ALL OTHER TERMS AND CONDITIONS OF THE SOLICITATION (RFP) REMAIN UNCHANGED